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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

INFORMATION REPORT

COUNTRY Germany (Russian Zone)

DATE DISTR. 13 October 1948

SUBJECT Production and Research at Oberspreewerk;
Miscellaneous Data ~~on~~ Other Electronics Firms

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1. Production of 7" image tubes at OSW

Auth: DPA REF. 67/1735

Date: By: *012*

- a. Production of the 7" cathode-ray tube for radar equipment was scheduled to start definitely in the beginning of July; however, difficulties were encountered through the delivery of inferior coal from the Ruhr. Other difficulties are:
- a. a shortage of red lead, needed for the manufacture of lead glass, which up to now could not be procured;
 - b. a shortage of colored glass crystals; these had formerly been brought in from the western zone;
 - c. a shortage of needed raw materials, such as Cu-Ni-oxides, "Zinnitrat"-Cu protoxides, etc.
- b. This cathode-ray tube is at present being produced in series of seven; defective tubes amount to 50% of the total production. It is impossible to make the neck of the glass, 3 mm. thick as prescribed, and permission was asked to increase the thickness of the glass to 4 mm.
- c. The prescribed monthly quota is 414 complete sets, but it is planned to raise this quota to 1,500 a month. Every employee and worker was to receive a premium in case manufacture should start as planned. The lowest sum mentioned in this connection had been 150 Marks, and there had also been talk of a present of two hundred pounds of coal.
- d. The preparations for manufacture make necessary the reconstruction of all workshops and equipment, such as furnaces for smelting, baking, and annealing, coaling plant, etc.

2. Research and development work at OSW

- a. The budget for the research and development work was increased to 5.5 million Marks which are to be used as follows:

Wages and salaries	70 %
Administration & transportation	1 %
Manufacture of samples	10 %
Material and equipment	18 %
Traveling expenses	1 %

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b. The already existing difficulties have been aggravated through the currency reform. Condensers, all kinds of resistance material, half-finished steel and Ni-metals, Fe-alloys, different kinds of rare earths, aluminium materials, and measuring instruments, which had been procured from the western zones, are now no more available. There is still a shortage of physicists, constructors, laboratory engineers for high frequency, mechanics, etc..

c. The OSW has been given the order to produce noise diodes for ultra-high frequency ranges with a noise level of 300 "KT" (sic) ([REDACTED] Comment: KT probably is Stephan-Boltzman constant X absolute temperature.). Up to now, 150 KT have been reached. In the USA, allegedly only 15 KT have been reached. The Russian specialists allege to be exactly informed about the development in America, saying in one to two years Russia would be far ahead of the Americans. Since the physicists believe that these problems have not even been solved in America, and since the dates set for the termination of these problems were very short, it is planned to extend the delivery date into the first half of 1949. In order to remedy the difficulties encountered in the procurement of materials, it is planned to import from Russia tantalum, thorium, rubidium, diamonds, aluminium products, wolfram, molybdenum, and olive oil for diamonds. ([REDACTED] Comment: Diamond dies for fine grid wires are indicated.)

3.3. Miscellaneous data re other electronics firms:

- a. The Soviet AG Geraet-Abteilung Deutschland in ^WZooenitz/Saxony was reorganized and is now a plant specializing in high-frequency equipment. No details are available yet.
- b. The technical-physical workshops, formerly AEG, Thalh^him, now a subsidiary of the OSW for the development of radar and direction-finder equipment are scheduled for dismantling. ([REDACTED] Comment: This confirms another report.)
- c. The dismantling of the Siemens-Werke Gera, makers of electrolyde condensers, has been postponed, since this is the only factory in the Russian Zone making such equipment.
- d. The firm Hydra in Berlin has refused to continue to delivery condensers for locomotives to Russian firms, since the price offered by the Russians is far below the cost-price.

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